3D HSS Consortium

Creation, scientific use and archiving of 3D data for Humanities and Social Sciences

Members of 3D Consortium – coordinator Archeovision's lab

Presentation

The 3D Consortium, accredited in 2014 by Huma-Num, brings together eleven partners working in the field of archaeology and cultural heritage and who already have experience of **using 3D technologies and producing 3D models in the scientific context of Humanities and Social Sciences.**

From 2014 to 2017, the 3D Consortium's activities and research results focused on the **elaboration of a 3D glossary, open source tools development** (archiving software and 3D viewer) and also **production of a white paper** which analyses the requirements for 3D in HSS.

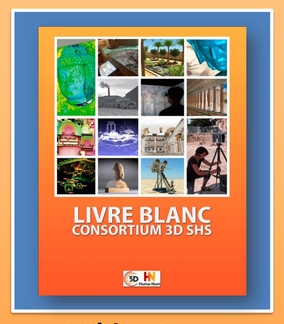
For the next four years (2018-2021), the 3D consortium will focuse on **developing synergies between all HSS disciplines to promote transversal approaches and increase the connection with international networks working on the same field.**

Deliverables 2014-2017

3D portal

Catalog of 3D models produced in a scientific context in Humanities and Social Sciences.

http://portail3d.huma-num.fr/



White Paper

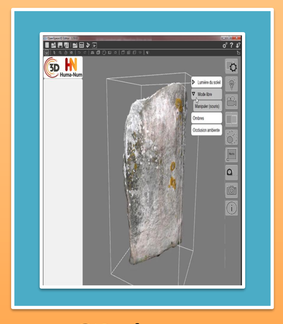
Practical guidance to the long-term archiving 3D project, 3D softwares inventory, 3D glossary, specifications required for a project with 3D models of Cultural Heritage.

https://hal.archives-ouvertes.fr/hal-01683842

Archive software

Archive generation from a 3D project, suitable with the archiving service of CINES. (National Computing Center for Higher Education)

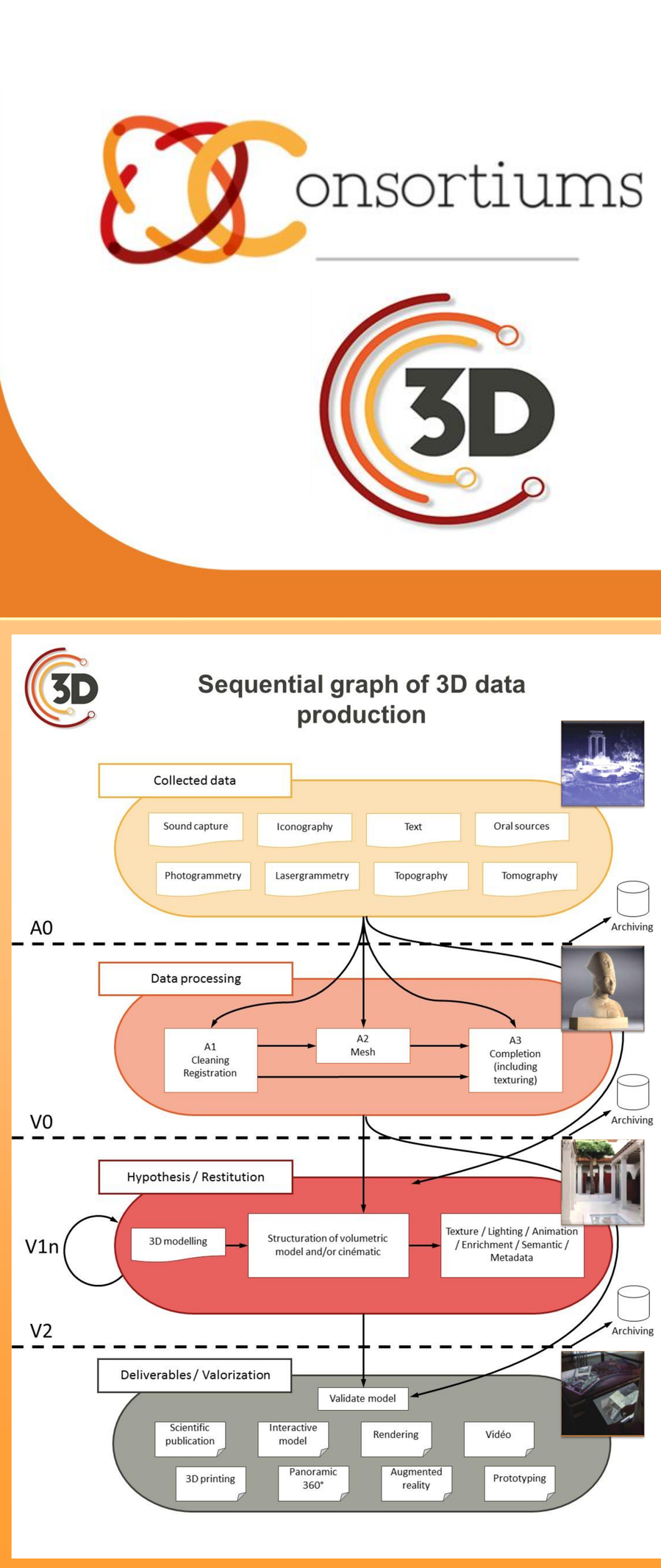
http://altag3d.huma-num.fr/



3D viewer

An open source software for actors of Cultural Heritage with an easy navigation to visualise, manipulate and annotate 3D models.

http://www.openspace3d.com/



Contact: consortium3d-coordination@services.cnrs.fr

Research aim 2018-2021

Technology – R&D

- Inventory of 3D production (hardwares, softwares, methodology)
- Identification and development of solutions for the data analysis, visualization and archiving.
- Organization of Workshops about semantic enrichment, integration of multiple scales of representation, and virtual reality/mixed reality.

Development and transfer of knowledges

- Identify heuristic contributions related to the use of 3D in Humanities and Social Sciences.
- How do 3D acquisition tools and 3D data restitution generate new scientific discoveries?
- What is the impact of 3D in the comprehension of studied objects?
- What is the impact of 3D on data preservation?

Data Lifecycle and Interoperability

- This axe will focus on different aspects of data management and data life cycle.
- Proposing metadata set to structure 3D models.
- Commissioning of the 3D Conservatory, managing 3D data of Humanities and Social Sciences.
- Thinking about the status and property rights of the digital object.

Humanities and Social Sciences meeting

- 3D HSS meeting to develop synergies between all humanities and social sciences disciplines to promote transversal approach and increase the connection with international networks.
- Extension of 3D Consortium partnership to other HSS communities (geographers, linguists, visual artists, musicologists, urban planners, educational scientists, psychologists,..etc.).

BLOG https://shs3d.hypotheses.org/ **TWITTER** @Consortium_3D **FACEBOOK** Consortium 3D SHS